

USSN: 09/734,101
Atty. Docket No.: 10244
Amdt. dated February 27, 2004
Reply to Office Action of December 5, 2003

Amendments To The Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing Of Claims:

Claim 1 (currently amended): A biaxially oriented film for ink jet printing, said film being ink-absorbing and said film having a water-wettable surface, said film comprising a porous high density polyethylene HDPE surface layer and a coating consisting essentially of a silicone glycol composition impregnated in the pore space of said surface layer, and said porous surface layer further comprising a printed image on an outer surface thereof.

Claim 2 (original): A biaxially oriented film according to claim 1, wherein said porous surface layer comprises: (i) a matrix comprising HDPE and (ii) a network of interconnecting pores communicating throughout said porous surface layer.

Claim 3 (previously presented): A biaxially oriented film according to claim 2, wherein said porous surface layer further comprises a cavitating agent.

Claim 4 (original): A biaxially oriented film according to claim 3, wherein said cavitating agent is calcium carbonate.

Claim 5 (original): A biaxially oriented film according to claim 1, further comprising a core layer co-extruded with said porous surface layer.

Claim 6 (original): A biaxially oriented film according to claim 5, wherein said core layer is a porous layer comprising (i) a matrix comprising HDPE; (ii) a network of interconnecting pores communicating throughout the porous core layer; and (iii) a cavitating agent.

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Claim 7 (original): A biaxially oriented film according to claim 6, wherein the cavitating agent of said core layer is calcium carbonate.

Claim 8 (original): A biaxially oriented film according to claim 7, further comprising a noncavitated skin layer coextruded to said core layer on the opposite side of the core layer from said porous high density polyethylene HDPE surface layer.

Claim 9 (previously presented): A biaxially oriented film according to claim 1, wherein the porous high density polyethylene HDPE surface layer is substantially free of high molecular weight polyethylene.

Claim 10 (previously presented): A biaxially oriented film according to claim 1, wherein the porous HDPE surface layer has an average pore diameter of 0.1 to 10 microns.

Claim 11 (new): A biaxially oriented film for ink jet printing, said film being ink-absorbing and said film having a water-wettable surface,

said film comprising a porous high density polyethylene HDPE surface layer and a coating consisting essentially of a silicone glycol composition impregnated in the pore space of said surface layer,

wherein said porous surface layer comprises: (i) a matrix comprising HDPE and (ii) a network of interconnecting pores communicating throughout said porous surface layer, and

wherein said porous surface layer further comprises an inorganic cavitating agent.

Claim 12 (new): A biaxially oriented film according to claim 11, wherein said inorganic cavitating agent is calcium carbonate.

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Claim 13 (new): A biaxially oriented film according to claim 11, further comprising a core layer co-extruded with said porous surface layer.

Claim 14 (new): A biaxially oriented film according to claim 13, wherein said core layer is a porous layer comprising (i) a matrix comprising HDPE; (ii) a network of interconnecting pores communicating throughout the porous core layer; and (iii) a cavitating agent.

Claim 15 (new): A biaxially oriented film according to claim 13, further comprising a noncavitated skin layer coextruded to said core layer on the opposite side of the core layer from said porous high density polyethylene HDPE surface layer.

Claim 16 (new): A biaxially oriented film for ink jet printing, said film being ink-absorbing and said film having a water-wettable surface,

said film comprising a porous high density polyethylene HDPE surface layer and a coating consisting essentially of a silicone glycol composition impregnated in the pore space of said surface layer,

said film further comprising a core layer co-extruded with said porous surface layer, and

said film further comprising a noncavitated skin layer coextruded to said core layer on the opposite side of the core layer from said porous high density polyethylene HDPE surface layer.

Claim 17 (new): A biaxially oriented film according to claim 16, wherein said porous surface layer comprises: (i) a matrix comprising HDPE and (ii) a network of interconnecting pores communicating throughout said porous surface layer.

Claim 18 (new): A biaxially oriented film according to claim 17, wherein said porous surface layer further comprises a cavitating agent.

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Claim 19 (new): A biaxially oriented film according to claim 18, wherein said cavitating agent is calcium carbonate.

Claim 20 (new): A biaxially oriented film according to claim 16, wherein said core layer is a porous layer comprising (i) a matrix comprising HDPE; (ii) a network of interconnecting pores communicating throughout the porous core layer; and (iii) a cavitating agent.